

## Appendix 6: Multi-Year Prescribed Fire Schedule

Yosemite National Park Fire Management Plan Multi-Year Project Schedule outlines a projected work plan for the park's fire management program. The average annual number of acres targeted for wildland fire, prescribed fire, and mechanical treatment are shown in table A6-1. Because both managed wildland and prescribed fire are dependent on environmental and social conditions, the average annual targets are not the acreages that are likely to be burned in any one year—they represent the desired annual acreage burned when averaged over many years. This treatment average is based on what is believed to be the amount park ecosystems would encounter, if natural ignitions were allowed to burn freely as they did prior to the latter part of the 19th century.

**Table A6-1**  
**Annual Average Acres Targeted for Treatment—Yosemite National Park**

<b>Mechanical Thin and Pile Burn</b>	<b>Prescribed Fire <sup>a</sup></b>	<b>Managed Wildland Fire <sup>b</sup></b>	<b>Total</b>
1,095	1,817	13,088	16,000 acres
a Prescribed acres represent minimum target; maximum target would be 9,194 acres.			
b Managed Wildland Fire acres represent maximum target, minimum target would be 16,000 minus Prescribed Fire acres.			

- Below are tables listing the tentative prescribed fire projects by calendar year for Yosemite National Park. These projects and associated acreages are subject to change. Factors that would cause change include, but are not limited to:
- Unwanted wildland fires in the park that may burn units, or portions of units, prior to this schedule.
- Unwanted wildland fires in close proximity to other prescribed fire units that may provide opportunities to treat adjacent units prior to the scheduled date.
- Opportunities to accomplish cooperative projects with adjacent landowners and other agencies in a year other than when the unit is scheduled.
- Opportunities to accomplish additional targeted projects in a given calendar year due to favorable burning conditions.
- Diminished opportunities to accomplish proposed targets due to weather, air quality, or resource availability constraints.
- National or regional preparedness levels that would preclude the use of prescribed fire or managed wildland fire.
- Socio-political or administrative concerns that would preclude the use of prescribed fire or managed wildland fire.
- Lack of available funding and/or staffing to safely and efficiently accomplish projects.
- Cultural or natural resource impacts that cannot be avoided or mitigated.
- Trends from monitoring effects of treatment indicate a change is needed.

- Changes to federal and/or National Park Service fire management policies.

Prescribed fire units are identified in maps in 2-6 through 2-17. It is important to point out that unit locations in each calendar year are positioned in such a way that the workload within the park or a watershed is spread out and one area of the park is not treated at the expense of another. Prescribed fire unit locations and schedules were developed using fire return interval departure (FRID) maps (map 2-4 and 2-5) and fire history maps (map 2-3). This was done in order to target the areas of the park that are considered to be most at risk from unwanted wildland fire and associated ecosystem restoration objectives. Also, a large unit (such as PW-3) may be burned in sections over the course of several years when favorable burning conditions and air quality concerns would prevent the entire unit from being burned in one season, or when a portion of the unit must be avoided due to other considerations (i.e., cultural and natural resources, air quality, or other management concerns).

Wildland/urban interface areas include developed areas within and adjacent to the park and road corridors that are essential for firefighter and public safety. These areas would receive the most intensive treatments, a combination of mechanical cutting and prescribed burning to ensure their protection and restoration to target conditions in the shortest time possible.

Not all burn units identified on maps 2-6 through 2-17 are identified in this proposed schedule, but all should be considered as potential areas for treatment during the lifespan of the Yosemite Fire Management Plan, for reasons given above.

**Table A6-2**

**Annual Projected Prescribed Fire and Mechanical Cutting Treatment Areas—Yosemite National Park and El Portal Administrative Site. M = Mechanical Cutting, Rx = Prescribed Fire. WUI = wildland/urban interface**

Calendar Year 2003			Project Target: 10,074
Project	Type	Acres	Comments
Wawona WUI Phase 1	M; Rx	696	Section 35 housing development & Studhorse Burns 9, 10, & 11.
YOSE W WUI Phase 1	M	67	Fuel break on park boundary.
El Portal WUI Phase 1	M	75	Defensible space around all structures.
Foresta WUI Phase 1	M; Rx	153	Defensible space around structures; McCauley Rx.
Valley WUI Phase 1	M	97	Defensible space around structures; small burns within traffic islands and meadow areas.
Aspen Valley WUI	M; Rx	233	Defensible space around structures and road corridor.
Crane Flat WUI	M; Rx	532	Defensible space around structures, road corridors and burns in PW-05 & PW-07.
Hodgdon WUI	M; Rx	513	Defensible space around structures; burn NE of entrance station.
PW-3 Gin Flat	Rx	7,289	Strengthen Fire Use boundary; key burn for PW-2, 4, & 5.
YV-8 South El Cap	Rx	15	Southside Drive from Bridalveil to YV-10.
YV-9 El Cap Meadow	Rx	114	Crossover Bridge area.
YV-10 El Cap Crossover	Rx	94	Southside Drive from YV-8 to Crossover Bridge.
PW-Mariposa Grove 4	Rx	170	Has had some pile/prep work.
PW- Merced Grove 1	Rx	17	NE side of grove.

PW-Tuolumne Grove 8	Rx	10	SE side of grove.
Calendar Year 2004		Project Target: 6,308 acres	
Project	Type	Acres	Comments
Wawona WUI Phase 2	M; Rx	629	Forest Drive residential area & Studhorse Burns 1, 2, 3, 4, 5, 6, & 7.
YOSE W WUI Phase 2	M; Rx	353	Shaded fuel break on Park boundary; burn PW-17.
El Portal WUI Phase 2	M; Rx	176	Defensible space around all structures; burn upper slope grasslands.
Foresta WUI Phase 2	M; Rx	517	Defensible space around structures; Big Meadow Rx.
Valley WUI Phase 1	M	97	Maintain defensible space around structures; small burns within traffic islands and meadow areas.
White Wolf WUI	M	40	Defensible space around structures and road corridors.
Hetch Hetchy WUI	M	50	Defensible space around structures, road corridors and burns in PW-05 & PW-07.
Tuolumne WUII	M	320	Defensible space around structures.
Glacier Point WUI	M	50	Defensible space around structures and road corridor; strengthen Fire Use boundary.
Badger Pass WUI	M	30	Defensible space around structures and road corridor; strengthen Fire Use boundary.
YV-6 Cathedral	Rx	35	Southside Drive-Cathedral Picnic Area.
YV-7 El Cap West	Rx	30	Northside Drive west from YV-9.
YV-12 East Buttress	Rx	40	Northside Drive east from YV-9.
YV-13 El Cap Picnic	Rx	80	East of YV-12; portion burned in 2001.
YV-18 Leidig Mdw	Rx	94	Meadow west of YOSE Lodge.
YV-23 Stoneman Mdw	Rx	25	Meadow N of Curry Village.
PW-Mariposa Grove 5	Rx	100	S of Clothespin Tree; E of MG-4.
PW- Merced Grove 4	Rx	15	NW side of grove.
PW-Tuolumne Grove 7	Rx	12	SW side of grove.
PW-02 Aspen Valley	Rx	3,115	Portions burned during 1990's.
PW-30 So Boundary	Rx	565	Near Wawona Entrance Station-Mariposa Grove.
Calendar Year 2005		Project Target: 9,366 acres	
Project	Type	Acres	Comments
Wawona WUI Phase 3	M; Rx	1,125	Maintain mechanical areas and burn Meadow Loop, around SDA and NW corner.
YOSE W WUI Phase 3	M; Rx	1,390	Shaded fuelbreak on Park boundary; burn portion of PW-34.
El Portal WUI Phase 3	M; Rx	251	Defensible space around all structures & road corridors; burn lower slope grasslands.
Foresta WUI Phase 3	M; Rx	566	Defensible space around structures; Burn portions of PW-35.

YV-4 North Bridalveil	Rx	37	Northside Drive-E of Bridalveil Meadow.
YV-5 Sewage Disposal	Rx	30	Southside Drive N of YV-6.
YV-14 V17 Pullout	Rx	22	Southside Drive E of Cathedral Picnic Area.
YV-15 Rocky Point	Rx	42	East of YV-13; W of Leidig Meadow (YV-18).
YV-19 Sentinel Mdw	Rx	60	Meadow W of Chapel; east of Sentinel Picnic Area.
YV-22 Ahwahnee Mdw	Rx	64	Meadow S and W of Ahwahnee Lodge.
PW-Mariposa Grove 2	Rx	50	S of Water Tank; W of MG-4.
PW-Mariposa Grove 3	Rx	40	Grizzly Giant area north to MG-2.
PW- Merced Grove 8	Rx	16	SE side of grove.
PW-Tuolumne Grove 5	Rx	19	NE side of grove.
PW-04 Big Oak	Rx	4,799	Big Oak–Hodgdon area.
PW-18 Bishop Creek	Rx	832	South of PW-17; below.
<b>Calendar Year 2006</b>		<b>Project Target: 5,713 acres</b>	
<b>Project</b>	<b>Type</b>	<b>Acres</b>	<b>Comments</b>
Wawona WUI Maintenance	M	187	Maintain mechanical reduced hazard fuel areas.
YOSE W WUI Maintenance	M	45	Maintain shaded fuelbreak on Park boundary.
El Portal WUI Maintenance	M	103	Maintain defensible space around all structures & road corridors.
Foresta WUI Maintenance	M	112	Maintain defensible space around structures & road corridors.
YOSE Village WUI Maintenance	M	97	Maintain defensible space around structures; small burns within traffic islands and meadow areas.
Hodgdon WUI Maintenance	M	45	Maintain defensible space around structures & road corridors.
Rest of Park WUI Maintenance	M	150	Maintain defensible space around structures & road corridors.
YV-2 Bridalveil Mdw	Rx	30	Southside Drive-E of Pohono Bridge.
YV-3 Northside Drive	Rx	50	Northside Drive W of YV-9 and E of Pohono Bridge.
YV-16 Southside	Rx	62	Southside Drive below Sentinel Rock.
YV-17 Sentinel Point	Rx	94	Across Southside Drive from YV-16.
YV-21 Cook's Mdw	Rx	64	Meadow between Lodge and Village.
YV-24 Sugar Pine	Rx	12	Meadow area S of Royal Arches.
PW-Mariposa Grove 10	Rx	35	S of MG-3 & MG-5.
PW-Mariposa Grove 9	Rx	35	W of MG-10.
PW- Mariposa Grove 1	Rx	35	N of MG-9; S of MG-2.
PW- Merced Grove 7	Rx	10	SW corner of grove.
PW-Tuolumne Grove 6	Rx	27	NW side of grove.
PW-31 S Fork Merced	Rx	2,842	South Fork – Wawona Dome- S Boundary area.

PW-42 Tamarack Cr	Rx	1,678	E of Crane Flat, below Hwy 120.
Calendar Year 2007		Project Target: 10,392 acres	
Project	Type	Acres	Comments
Wawona WUI Maintenance	M	187	Maintain mechanical reduced hazard fuel areas.
YOSE W WUI Maintenance	M	45	Maintain shaded fuelbreak on Park boundary.
El Portal WUI Maintenance	M	103	Maintain defensible space around all structures & road corridors.
Foresta WUI Maintenance	M	112	Maintain defensible space around structures & road corridors.
YOSE Village WUI Maintenance	M	97	Maintain defensible space around structures; small burns within traffic islands and meadow areas.
Hodgdon WUI Maintenance	M	45	Maintain defensible space around structures & road corridors.
Rest of Park WUI Maintenance	M	150	Maintain defensible space around structures & road corridors.
YV-1 Pohono Bridge	Rx	20	Southside Drive-E of Pohono Bridge.
YV-28 Royal Arch East	Rx	37	W of Mirror Lk; north of Mirror Lk Road.
YV-18 Leidig Mdw	Rx	94	W of YOSE Lodge.
YV-23 Stoneman Mdw	Rx	25	N from Curry Camp.
PW-Mariposa Grove 11	Rx	50	NE corner of grove.
PW-Mariposa Grove 12	Rx	15	SW of MG-11.
PW- Mariposa Grove 6	Rx	45	N of MG-5; S of MG-4 & MG-11.
PW-30 Yosemite Valley	Rx	565	NE corner of Valley; includes areas Between YV-22 and YV-29.
PW-33 Crescent Cr	Rx	8,277	SE Corner of Park; boundary to Chiquito Pass.
Calendar Year 2008		Project Target: 17,684 acres	
Project	Type	Acres	Comments
Wawona WUI Maintenance	M	187	Maintain mechanical reduced hazard fuel areas.
YOSE W WUI Maintenance	M	45	Maintain shaded fuelbreak on Park boundary.
El Portal WUI Maintenance	M	103	Maintain defensible space around all structures & road corridors.
Foresta WUI Maintenance	M	112	Maintain defensible space around structures & road corridors.
YOSE Village WUI Maintenance	M	97	Maintain defensible space around structures; small burns within traffic islands and meadow areas.
Hodgdon WUI Maintenance	M	45	Maintain defensible space around structures & road corridors.
Rest of Park WUI Maintenance	M	150	Maintain defensible space around structures & road corridors.
YV-27 Upper Pines	Rx	45	Southside Drive-E of Pohono Bridge.

YV-26 Mirror Lake	Rx	30	W of Mirror Lk; S of Mirror Lk Road.
YV-25 Royal Arch W	Rx	45	S of YV-28.
YV-19 Sentinel Mdw	Rx	94	W of Chapel.
YV-22 Ahwahnee Mdw	Rx	64	W of Ahwahnee Lodge.
PW-Mariposa Grove 8	Rx	90	E edge of grove.
PW-Mariposa Grove 7	Rx	15	SW of MG-8.
PW- Mariposa Grove 13	Rx	85	E of MG-5; SW of MG-7.
PW-30 Yosemite Valley	Rx	565	SE corner of Valley; includes areas Between YV-26 and YV-23.
PW-32 Wawona Dome	Rx	2,052	NE of Wawona.
PW-39 North Mtn	Rx	13,435	Kibbie Pass south to Tuolumne River on NW boundary.
<b>Calendar Year 2009</b>		<b>Project Target: 12,482 acres</b>	
<b>Project</b>	<b>Type</b>	<b>Acres</b>	<b>Comments</b>
Wawona WUI Maintenance	M	187	Maintain mechanical reduced hazard fuel areas.
YOSE W WUI Maintenance	M	45	Maintain shaded fuelbreak on Park boundary.
El Portal WUI Maintenance	M	103	Maintain defensible space around all structures & road corridors.
Foresta WUI Maintenance	M	112	Maintain defensible space around structures & road corridors.
YOSE Village WUI Maintenance	M	97	Maintain defensible space around structures; small burns within traffic islands and meadow areas.
Hodgdon WUI Maintenance	M	45	Maintain defensible space around structures & road corridors.
Rest of Park WUI Maintenance	M	150	Maintain defensible space around structures & road corridors.
YV-29 Tenaya Creek	Rx	91	Far E end of Valley.
YV-21 Cook's Mdw	Rx	64	Meadow between Lodge and Village.
YV-24 Sugar Pine	Rx	12	Meadow area S of Royal Arches.
PW-30 Yosemite Valley	Rx	565	N side of Valley; includes areas Between YV-22 and YV-18.
PW-21 Turner Ridge	Rx	5,086	W of Hwy 41; N of Wawona; S of Bishop Creek.
PW-38 Smith Peak	Rx	5,400	S of Hetch Hetchy (only 20% of unit burned CY 2008; rest of unit to be completed next 4 years).

Calendar Year 2010 and beyond will be developed at a future date.

The number of acres burned each year through managed wildland and prescribed fire and the cumulative totals in Yosemite National Park since the program began are shown in table A-6.3.

**Table A6-3**  
**History of Managed Wildland Fire and Prescribed Fire**

	Total Acres Per Year				Cumulative Total			
	Managed Wildland Fire		Prescribed Fire		Managed Wildland Fire		Prescribed Fire	
Year	Number of Fires	Total Acres	Number of Fires	Total Acres	Number of Fires	Acres Burned	Number of Fires	Acres Burned
1970			7	664.00	0	0.00	7	664.00
1971			8	1,112.00	0	0.00	15	1,776.00
1972	8	0.31	1	64.00	8	0.31	16	1,840.00
1973	27	56.09	2	192.00	35	56.40	18	2,032.00
1974	22	4,131.71	2	259.00	57	4,188.11	20	2,291.00
1975	20	773.87	7	2,283.00	77	4,961.98	27	4,574.00
1976	35	803.83	13	914.00	112	5,765.81	40	5,488.00
1977	24	149.76	1	20.00	136	5,915.57	41	5,508.00
1978	33	2,485.65	3	4,023.00	169	8,401.22	44	9,531.00
1979	6	78.24	5	2,932.00	175	8,479.46	49	12,463.00
1980	25	6,203.39	5	3,152.00	200	14,682.85	54	15,615.00
1981	39	3,262.39	1	2,450.00	239	17,945.24	55	18,065.00
1982	5	1.17	2	3,120.00	244	17,946.41	57	21,185.00
1983	6	1,660.16	2	2,458.00	250	19,606.57	59	23,643.00
1984	20	1,067.25	3	840.00	270	20,673.82	62	24,483.00
1985	22	3,765.65	6	2,067.00	292	24,439.47	68	26,550.00
1986	8	3,808.11	3	194.00	300	28,247.58	71	26,744.00
1987	40	7,072.98	0	0.00	340	35,320.56	71	26,744.00
1988	43	12,265.00	0	0.00	383	47,585.56	71	26,744.00
1989	0	0.00	11	1,306.00	383	47,585.56	82	28,050.00
1990	21	200.80	9	170.00	404	47,786.36	91	28,220.00
1991	20	1,304.00	7	113.00	424	49,090.36	98	28,333.00
1992	34	576.00	9	950.00	458	49,666.36	107	29,283.00
1993	5	1.80	11	1,073.00	463	49,668.16	118	30,356.00
1994	7	2,147.40	12	1,344.00	470	51,815.56	130	31,700.00
1995	6	815.50	15	399.80	476	52,631.06	145	32,099.80
1996	16	1,469.00	12	1,168.70	492	54,100.06	157	33,268.50
1997	19	127.40	15	5,018.00	511	54,227.46	172	38,286.50
1998	21	200.60	11	2,779.80	532	54,428.06	183	41,066.30
1999	18	14,870.80	14	1,616.60	550	69,298.86	197	42,682.90

	Total Acres Per Year				Cumulative Total			
	Managed Wildland Fire		Prescribed Fire		Managed Wildland Fire		Prescribed Fire	
Year	Number of Fires	Total Acres	Number of Fires	Total Acres	Number of Fires	Acres Burned	Number of Fires	Acres Burned
2000	0	0.00	2	350.00	550	69,298.86	199	43,032.90
2001	25	9,410.00	2	33.00	575	78,708.86	201	43,065.90
2002	11	2,555.6	4	3,725.6	586	81,264.46	205	46,791.5